

**WHAT IS CLAIMED**

1           1. An extrudable composition comprising a polymer admixed with one or  
2 more of a C<sub>8</sub>-C<sub>22</sub> saturated fatty acid ester of a polyhydroxyl alkane wherein the  
3 alkane has from 2 to 6 carbon atoms.

1           2. The extrudable composition of claim 1, wherein said C<sub>8</sub>-C<sub>22</sub> saturated  
2 fatty acid ester is selected from the group consisting of ethylene glycol distearate,  
3 glycerol monostearate, pentaerythritol tetrastearate, glycerol tristearate, and  
4 blends thereof.

1           3. The extrudable composition of claim 1, wherein said fatty acid ester is  
2 combined with one or more C<sub>8</sub>-C<sub>22</sub> saturated fatty acid esters of a  
3 poly(oxyalkylene) polymer to form a fatty acid ester mixture.

1           4. The extrudable composition of claim 3, wherein the C<sub>8</sub>-C<sub>22</sub> saturated  
2 fatty acid esters of a poly(oxyalkylene) polymer is selected from the group  
3 consisting of PEG 400 monostearate and tri-glycerol caprate/ caprylate, and  
4 blends thereof.

1           5. The extrudable composition of claim 1 wherein at least 0.04 % by  
2 weight of said fatty acid ester is present in said composition.

1           6. The extrudable composition of claim 1 wherein from 0.3% to 0.5% by  
2 weight of said fatty acid ester is present in said composition

1           7. The extrudable composition of claim 1, wherein said composition is in  
2 a pelletized concentrate form.

1           8. The extrudable composition of claim 1, wherein said polymer is linear  
low density polyethylene.

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2           9. The extrudable composition of claim 11, wherein said single site  
3 catalyzed polymer is a metallocene single site catalyzed polymer.

1           10. A method of making a polymer extrudate comprising admixing to a  
2 polymer a composition comprising one or more of a  $C_8$ - $C_{22}$  saturated fatty acid  
3 ester of a polyhydroxyl alkane wherein the alkane has from 2 to 6 carbon atoms  
4 and melt extruding the admixture.

1           11. The method of claim 10, wherein said fatty acid ester is selected from  
2 the group consisting of ethylene glycol distearate, glycerol monostearate,  
3 pentaerythritol tetrastearate, glycerol tristearate, and blends thereof.

1           12. The method of claim 10, wherein said fatty acid ester is combined with  
2 one or more  $C_8$ - $C_{22}$  saturated fatty acid esters of a poly(oxyalkylene) polymer to  
3 form a fatty acid ester mixture and is admixed with the polymer.

1            13. The method of claim 12, wherein the C<sub>8</sub>-C<sub>22</sub> saturated fatty acid esters  
2 of a poly(oxyalkylene) polymer is selected from the group consisting of PEG 400  
3 monostearate and tri-glycerol caprate/ caprylate, and blends thereof.

1            14. The method of claim 10, wherein at least 0.04% by weight of said fatty  
2 acid ester is added to said polymer.

1            15. The method of claim 10, wherein about 0.3% to 0.5% by weight of  
2 said fatty acid ester is added to said polymer.

1            16. The method of claim 12 wherein from 0.3% to 0.5% by weight of said  
2 fatty acid ester mixture is present in said polymer.

1            17. The method of claim 10, wherein said polymer is linear low density  
2 polyethylene.

1            18. The method of claim 10, wherein said polymer is a single site  
2 catalyzed polymer.

1            19. The method of claim 18, wherein said single site catalyzed polymer is  
2 a metallocene single site catalyzed polymer.

1           20. An extruded composition comprising a polymer with one or more C<sub>8</sub>-C<sub>22</sub>  
2 saturated fatty acid ester of a polyhydroxyl alkane wherein the alkane has from 2  
3 to 6 carbon atoms.

1           21. The extruded composition of claim 20, wherein said fatty acid ester is  
2 selected from the group consisting of ethylene glycol distearate, glycerol  
3 monostearate, pentaerythritol tetrastearate, glycerol tristearate, and blends  
4 thereof.

1           22. The extruded composition of claim 20, wherein said fatty acid ester is  
2 combined with one or more C<sub>8</sub>-C<sub>22</sub> saturated fatty acid esters of a  
3 poly(oxyalkylene) polymer to form a fatty acid ester mixture.

1           23. The extruded composition of claim 22, wherein the C<sub>8</sub>-C<sub>22</sub> saturated  
2 fatty acid esters of a poly(oxyalkylene) polymer is selected from the group  
3 consisting of PEG 400 monostearate and tri-glycerol caprate/ caprylate, and  
4 blends thereof.

1           24. The extruded composition of claim 20, wherein at least 0.04 % by  
2 weight of said fatty acid ester is present in said composition.

1           25. The extruded composition of claim 20, wherein about 0.3% to 0.5% by  
2 weight of said fatty acid ester is present in said composition.

1           26. The extruded composition of claim 20, wherein said composition is in  
2 pelletized polymer concentrate form.

1           27. The extruded composition of claim 20, wherein said polymer is linear  
2 low density polyethylene.

1           28. The extruded composition of claim 20, wherein said single site  
2 catalyzed polymer is a metallocene single site catalyzed polymer.

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